Set	Items	•
S1	60	(COMPETITIVE OR COUNTER)()(OFFER? ? OR BID???) OR COUNTERO-
S2	2620	SHOPBOT? ? OR ELECTRONIC() CATALOG OR (SHOP OR SHOPPING OR -
	E	BUY OR BUYING) (2N) (CART? ? OR BASKET? ? OR AGENT? ? OR SPIDER?
		? OR TOOL OR UTILITY OR BROWSER? ? OR PROGRAM? ? OR SCRIPT? ? OR APPLICATION? ? OR SOFTWARE? ?)
S3	1990682	· · · · · · · · · · · · · · · · · · ·
		DISCONNECT? OR SPLIT? OR UNCOUPL? OR BREAK() (OFF OR AWAY)
S4	3721730	
•	F	OR TAKE(1W)WITH OR FLUID OR FREE OR LIQUID OR CARRIED OR MIG-
S5	2895711	AUTOMAT? OR SELECTIVELY OR DYNAMIC? OR REAL() TIME OR REALT-
		IME OR IMMEDIATE? OR INSTANT? OR INTERACTIV? OR ITERAT? OR MO-
		DIFIABL? OR ON(1W)FLY OR FLEXIB? OR ADAPTABL? OR ALTERABL? OR ALTERNAT? OR CHANGEABL? OR CONVERTIBL? OR ADJUSTABL?
S6		UPDAT??? OR CHANG??? OR COMPAR??? OR COMPARISON OR ADJUSTM-
		ENT OR ADJUST??? OR ALTER??? OR CONVERT??? OR MODIF???? OR RE-
S7		DUC??? OR REFRESH OR RENEWED OR REPLACE
57	4244312	PRICE OR PRICES OR PRICING OR COST OR COSTS OR AMOUNT? ? OR TOTAL? ? OR OFFER? ? OR BID? ? OR DEAL OR FIGURE OR SUM
S8	317193	
		ER? OR TRADER? OR SUPPLIER? OR VENDOR? OR DEALER? OR SITE? ? -
S9	3666141	OR WEBSITE? ? OR WEB()SITE? ? OR WEBPAGE? ? OR WEB()PAGE? ? FIRST OR INITIAL OR MAIN OR ORIGINAL OR STARTER OR STARTING
	3000141	OR PRIMARY OR EARLIER OR BEGINNING
S10	5740108	ALTERNATIVE OR OTHER OR ANOTHER OR DIFFERENT OR SECOND
\$11		MANY OR MULTIPL? OR MULTI OR SEVERAL OR NUMEROUS? OR PLURA- L? OR MYRIAD OR VARIOUS? OR VARIED OR DUAL? OR (MORE OR GREAT-
		ER) () THAN () (1 OR ONE)
S12		S1 AND S2
?	244 675	21. 21. 22. 2005 and /re
riie		ese Patents Abs Aug 1985-2004/May 2004 European Patent Office
File 347: JAPIO Nov 1976-2004/May (Updated 040903)		
		2004 JPO & JAPIO
File		ent WPIX 1963-2004/UD,UM &UP=200458
	. (0) 2	2004 INCHIBOH DCIWCHC

12/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

014870096

WPI Acc No: 2002-690802/200274

XRPX Acc No: N02-544955

On-line virtual shopping cart management system in e-commerce application, changes information about host merchant's item in virtual shopping cart dynamically, with respect to rival merchant's offer

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: EHRLICH M A; KRAFT R; RUVOLO J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No Kind Date Applicat No Kind Date Week
US 20020111873 A1 20020815 US 2001780812 A 20010210 200274 B

Priority Applications (No Type Date): US 2001780812 A 20010210 Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes US 20020111873 A1 14 G06F-017/60

Abstract (Basic): US 20020111873 A1

NOVELTY - A **shopping cart** manager creates and manages a virtual **shopping cart** containing information about an item offered by a host merchant. An extraction/verification module compares the offers of the host merchant and a rival merchant. A **counter offer** module dynamically changes item information in the **shopping cart** based on the comparison result, to reflect changes in the host merchant's offer. DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) On-line virtual shopping cart management method; and
- (2) Computer program product for on-line virtual **shopping** cart management.

USE - For managing on-line virtual **shopping cart** in e-business, e-shopping or e-commerce applications through Internet.

ADVANTAGE - Allows host merchant to develop an optimal pricing and counter offer strategy against the rival merchant. Allows a shopper to perform comparison shopping on-line and to have control over the comparison shopping search.

pp; 14 DwgNo 0/3

Title Terms: LINE; VIRTUAL; SHOPPING; CART; MANAGEMENT; SYSTEM; APPLY; CHANGE; INFORMATION; HOST; MERCHANT; ITEM; VIRTUAL; SHOPPING; CART; DYNAMIC; RESPECT; MERCHANT; OFFER

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

Set	Items Description
S1	60 (COMPETITIVE OR COUNTER)()(OFFER? ? OR BID???) OR COUNTERO- FFER? ?
S2	2620 SHOPBOT? ? OR ELECTRONIC()CATALOG OR (SHOP OR SHOPPING OR - BUY OR BUYING)(2N)(CART? ? OR BASKET? ? OR AGENT? ? OR SPIDER? ? OR TOOL OR UTILITY OR BROWSER? ? OR PROGRAM? ? OR SCRIPT? ? OR APPLICATION? ? OR SOFTWARE? ?)
S3	1990682 VIRTUAL OR UNIVERSAL OR DETACH? OR SEPARAT? OR DISENGAG? OR DISCONNECT? OR SPLIT? OR UNCOUPL? OR BREAK() (OFF OR AWAY)
S4	3721730 MOBILE OR PORTABLE OR MOVABLE OR PORTATIVE OR TRANSPORTABLE OR TAKE(1W)WITH OR FLUID OR FREE OR LIQUID OR CARRIED OR MIG- RANT OR MIGRATORY
S5	2895711 AUTOMAT? OR SELECTIVELY OR DYNAMIC? OR REAL()TIME OR REALT- IME OR IMMEDIATE? OR INSTANT? OR INTERACTIV? OR ITERAT? OR MO- DIFIABL? OR ON(1W)FLY OR FLEXIB? OR ADAPTABL? OR ALTERABL? OR ALTERNAT? OR CHANGEABL? OR CONVERTIBL? OR ADJUSTABL?
S6	6004599 UPDAT??? OR CHANG??? OR COMPAR??? OR COMPARISON OR ADJUSTM- ENT OR ADJUST??? OR ALTER??? OR CONVERT??? OR MODIF???? OR RE- DUC??? OR REFRESH OR RENEWED OR REPLACE
S7	4244312 PRICE OR PRICES OR PRICING OR COST OR COSTS OR AMOUNT? ? OR TOTAL? ? OR OFFER? ? OR BID? ? OR DEAL OR FIGURE OR SUM
S8	317193 HOST? ? OR MERCHANT? OR SELLER? OR RETAILER? OR MANUFACTUR- ER? OR TRADER? OR SUPPLIER? OR VENDOR? OR DEALER? OR SITE? ? - OR WEBSITE? ? OR WEB()SITE? ? OR WEBPAGE? ? OR WEB()PAGE? ?
S9	3666141 FIRST OR INITIAL OR MAIN OR ORIGINAL OR STARTER OR STARTING OR PRIMARY OR EARLIER OR BEGINNING
S10	5740108 ALTERNATIVE OR OTHER OR ANOTHER OR DIFFERENT OR SECOND
S11	2906464 MANY OR MULTIPL? OR MULTI OR SEVERAL OR NUMEROUS? OR PLURA- L? OR MYRIAD OR VARIOUS? OR VARIED OR DUAL? OR (MORE OR GREAT- ER)()THAN()(1 OR ONE)
S12	1 S1 AND S2
S13	278075 S5 AND S6 AND S7
S14	294 S2 AND S3
S15	15 S13 AND S14
S16	2 S15 AND S4
?	
File	344: Chinese Patents Abs Aug 1985-2004/May
	(c) 2004 European Patent Office
File	347:JAPIO Nov 1976-2004/May(Updated 040903)
rii.	(c) 2004 JPO & JAPIO 350:Derwent WPIX 1963-2004/UD,UM &UP=200458
LITE	(c) 2004 Thomson Derwent

÷ . . 🚵

(Item 1 from file: 350) 16/5/1 DIALOG(R) File 350: Derwent WPIX (c) 2004 Thomson Derwent. All rts. reserv. 014969375 **Image available** WPI Acc No: 2003-029889/200302 Related WPI Acc No: 2002-713575 XRAM Acc No: C03-006777 XRPX Acc No: N03-023679 Display device e.g. for billboards, has a composition, visible between anodic and cathodic electrodes, comprising compound that undergoes electron transfer reaction, indicator dye(s) and charge transport material Patent Assignee: DOW GLOBAL TECHNOLOGIES INC (DOWC); BABINEC S J (BABI-I) ; CHEN Y (CHEN-I); DERMODY D L (DERM-I); VINCENT J B (VINC-I) Inventor: BABINEC S J; CHEN Y; DERMODY D L; VINCENT J B Number of Countries: 098 Number of Patents: 006 Patent Family: Patent No Kind Date Applicat No Kind Date A2 20020926 20020319 WO 200275441 WO 2002US8601 Α 200302 B AU 200227461 Α 20020926 AU 200227461 Α 20020319 200302 US 20020171081 A1 20021121 US 2001277030 P 20010319 200302 US 2002102236 20020319 Α 20040302 BR 200208151 Α BR 20028151 Α 20020319 200419 WO 2002US8601 Α 20020319 EP 2002719294 EP 1412811 A2 20040428 Α 20020319 200429 WO 2002US8601 20020319 Α AU 2002250385 A1 20021003 AU 2002250385 Α 20020319 200432 Priority Applications (No Type Date): US 2001277030 P 20010319; US 2002102236 A 20020319 Patent Details: Patent No Kind Lan Pg Main IPC Filing Notes WO 200275441 A2 E 33 G02F-001/15 Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ YU ZA ZM ZW Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW AU 200227461 A G02F-001/15 US 20020171081 A1 H01L-035/24 Provisional application US 2001277030 BR 200208151 A G02F-001/15 Based on patent WO 200275441 EP 1412811 A2 E G02F-001/15 Based on patent WO 200275441 Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR AU 2002250385 A1 G02F-001/15 Based on patent WO 200275441 Abstract (Basic): WO 200275441 A2 NOVELTY - A display device contains a composition (15), visible between anodic and cathodic electrodes (13, 14), comprising: (a) a compound that undergoes a reversible electron transfer reaction, preferably at the electrode surface, with a subsequent change in its protic state resulting in a pH gradient in the device; (b) indicator dye(s); and (c) a charge transport material DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following: (1) A composition comprising a compound that undergoes an electron transfer reaction with subsequent change in its protic state,

- indicator dye(s) changing color when a change in pH occurs, an ionically conductive material and optionally a matrix material when the ionically conductive material is a fluid;
 - (2) An article comprising a film further comprising the composition